# **Precautions**

- · As the laser beam used in the CD player section is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- · Should any solid object or liquid fall into the player, unplug the player, and have it checked by qualified personnel before operating it any further.
- · Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this player. Attempting to do so may damage the player. Do not use such discs.

### Cleaning the cabinet

• Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzine.

### On power sources

- · For AC operation, check that the player's operating voltage is identical with your local power supply (see "Specifications") and use the supplied mains lead; do not use any other type.
- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- For battery operation, use six R20 (size D)
- · When the batteries are not to be used, remove them to avoid damage that can be caused by battery leakage or corrosion.
- The nameplate indicating operating voltage, power consumption, etc. is located at the bottom.

### On placement

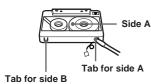
- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical
- Do not place the player on an inclined or unstable place.
- Do not place anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the player to operate properly and prolong the life of its components
- If the player is left in a car parked in the sun, be sure to choose a location in the car where the player will not be subjected to the direct rays of the sun.
- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the player to prevent possible damage from the magnet.

### On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the CD player section. Should this occur, the player will not operate properly. In this case, remove the CD and wait about an hour for the moisture to evaporate.
- If the player has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a

### Notes on cassettes

to prevent accidental recording. If you want to reuse the tape for recording, cover the broken tab with adhesive tape.



• The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or

### Notes on CDs

· Before playing, clean the CD with a cleaning cloth. Wipe the CD from the



- · Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.
- · Do not expose the CD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be a considerable rise in temperature inside the car.
- · Do not stick paper or sticker on the CD, nor scratch the surface of the CD.
- · After playing, store the CD in its case. If there is a scratch, dirt or fingerprints on the CD, it may cause tracking error.

### About CD-Rs/CD-RWs

This player can play CD-Rs/CD-RWs recorded in the CD-DA format\*, but playback capability may vary depending on the quality of the disc and the condition of the recording device.

\* CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for Audio CDs.

### Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

### **Troubleshooting** Break off the cassette tab from side A or B

### The power does not come on.

- · Make sure the batteries are inserted correctly
- · Replace all the batteries with new ones if they are weak.
- · You cannot turn on the player with the remote

# · Replace all the batteries with new ones if they

### · Adjust the volume

### The CD does not play or "no dISC" lights in the display even when a CD

- · Take out the CD and leave the CD
- · The CD-R/CD-RW was not finalized. Finalize

- · Reduce the volume
- Clean the CD, or replace it if the CD is badly
- · The sound may drop out or noise may be heard when using poor quality CD-Rs/CD-





### The audio is weak or has poor quality · Replace all the batteries with new ones if they

The picture of your TV becomes

# unstable

the TV with an indoor aerial, move the player away from the TV.

- when you operate the player on batteries.

# and "Error" are displayed alternately.

- Unplug the headphones when listening through speakers.

· Someone is using a portable telephone or other equipment that emits radio waves near the player. -Move the portable telephone. etc., away from the player.

### **CD Player**

# is in place. . Place the CD with the label surface up.

- Clean the CD.
- compartment open for about an hour to dry
- the CD-R/CD-RW with the recording device.
- R/CD-RW, recording device or application

- · Place the player in a location free from
- · Clean the lens with a commercially available
- RWs or if there is a problem with the recording device or application software.

### Reception is poor.





# · Move the player away from the TV.

If you are listening to an FM programme near

- or erasing quality.

# The power is not on, and "bAttErY"

# · Make sure the batteries are inserted correctly.

### There is no audio

Noise is heard.

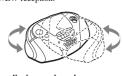
- . There is a problem with the quality of the CD-
- · Replace all the batteries with new ones if they

### The sound drops out.

Reorient the aerial to improve FM reception.



· Reorient the player itself to improve AM or



# The tape does not move when you

### press an operation button.

The button does not function or the

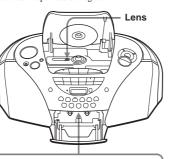
tape does not play or record. · Make sure the safety tab on the cassette is in

Poor or distorted playback, recording

· Clean the heads, pinch roller and capstan with a cleaning swab slightly moistened with cleaning fluid or alcohol.

· Replace all the batteries with new ones if they · TYPE II (high position) or TYPE IV (metal)

available tape head demagnetize



# Record/playback head

### Remote

- The remote does not function
- · Replace all the batteries in the remote with
- the remote sensor on the player. · Remove any obstacles in the path of the
- strong light such as direct sunlight or
- rescent lamp light.

After trying the above remedies, if you still have problems, unplug the mains lead and remove all the batteries. After all the indications in the display disappear, plug the mains lead and insert

# CD player section

Compact disc digital audio systen

Material: GaAlAs Wave length: 780 nm

Spindle speed

MW

LW

FM: 10.7 MHz

Recording system

Fast winding time

AM/MW/LW: 450 kHz

FM: Telescopic aerial

Cassette-corder section

4-track 2 channel stereo

TYPE I (normal): 80 - 10 000 Hz

Minimum input level 330 mV

connector) (CFD-S300L only)

Wavelength: 630 - 690 nm

For CD radio cassette-corder

9 V DC, 6 R20 (size D) batterie

For CD radio cassette-corder:

Sony R20P: approx. 13.5 h

Sony alkaline LR20: approx. 20 h

3 V DC, 2 R03 (size AAA) batteries

Maximum power output

For Korean model:

220V AC, 60 Hz

For Other models

230 V AC, 50 Hz

For remote control:

FM recording

Tane playback Sony R20P: approx. 7.5 h Sony alkaline LR20: approx. 15 h

CD playback Sony R20P: approx. 2.5 h Sony alkaline LR20: approx. 7 h

AC 14 W

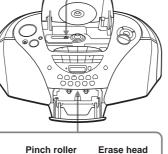
Battery life

Power requirements

Headphones jack (stereo minijack):

For 16 - 68 ohms impedance headpho

tape is being used. Use TYPE I (normal) tape



- new ones if they are weak.
- remote and the player.

Move closer to the player when using the

# **Specifications**

Laser diode properties

Emission duration: Continuou

531 - 1 611 kHz (9 kHz step)

153 - 279 kHz

AM/MW/LW: Built-in ferrite bar aerial

Approx. 120 s (sec.) with Sony cassette C-60

Full range: 10 cm dia., 3.2 ohms, cone type (2)

LINE IN jack (stereo minijack) (CFD-S300L

OPTICAL DIGITAL OUT (CD) (Optical output

530 - 1 610 kHz (10 kHz step)

Number of channels

Wow and flutter Below measurable limit Radio section Frequency range CFD-S300 FM 87.5 - 108 MHz 531 - 1 611 kHz (9 kHz step) AM 530 - 1 610 kHz (10 kHz step) CFD-S300L FM 87 5 - 108 MHz

### Approx. $414 \times 164 \times 257 \text{ mm (w/h/d)}$ $(16\frac{3}{8} \times 6\frac{1}{2} \times 10\frac{1}{8}$ inches) (incl. projecting

Supplied accessory

Mains lead (1)

Remote control (1)

Optional accessories

Sony MDR headphone series

Approx. 3.6 kg (7 lb. 15 oz) (incl. batteries)

Design and specifications are subject to change

Laser output: Less than 44.6 µW (This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm

200 r/min (rpm) to 500 r/min (rpm) (CLV)

20 - 20 000 Hz +1/-2 dB

Demagnetize the heads using a commercially

- · Make sure that you are pointing the remote at
- · Make sure the remote sensor is not exposed to

the batteries again. If the problem persists, please consult your nearest Sony dealer

# SONY

CD Radio

Cassette-

Operating Instructions

Corder

CFD-S300

CFD-S300L

©2004 Sony Corporation

3-262-434-**41** (1)

English

To prevent fire or shock hazard, do not expose the player to rain or moisture

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

# WARNING

mark) must be used.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the appliance.

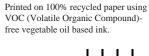
### Kingdom A moulded plug complying with BS 1363 is fitted to this equipment for your safety and

Notice for customers in the United

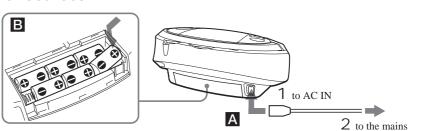
Should the fuse in the plug supplied need to be replaced, same rating fuse approved by ASTA or BSI to BS 1362, (i.e. marked with sp or \$\infty\$

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station

http://www.sony.net/



# **Power Sources**



# compartment ${\sf B}$ .

· Replace the batteries when the OPR/BATT indicator dims or when the player stops operating Replace all the batteries with new ones. Before you replace the batteries, be sure to take out the CD

· When you operate the player on batteries, you cannot turn on the player using the remote

To use the player on batteries, disconnect the mains lead from the player.

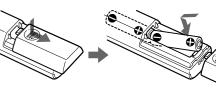
Connect the mains lead A or insert six R20 (size D) batteries (not supplied) into the battery

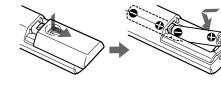
### Insert two R03 (size AAA) batteries (not supplied).

Preparing the remote C

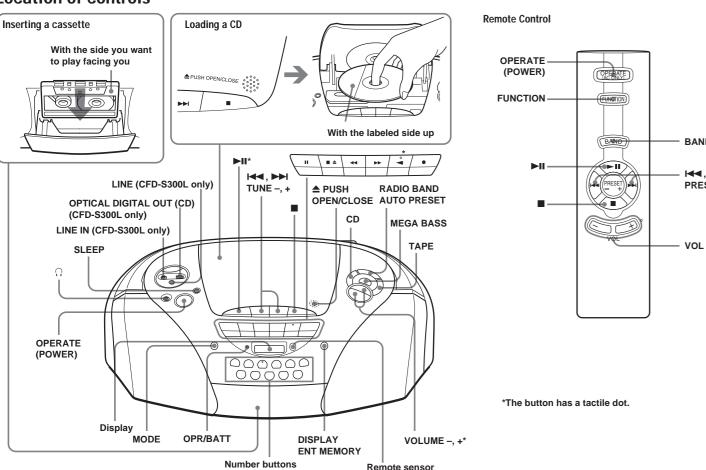
Replacing battery With normal use, the batteries should last for about six months. When the remote no longer operates the player, replace all the batteries with new ones.

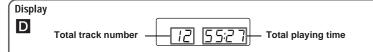
C





## **Location of controls**





### To turn on/off the power

CFD-S300L: Press OPERATE CFD-S300: Press POWER.

### To adjust the volume

Press VOLUME +, - (VOL +, - on the remote).

### To listen through headphones

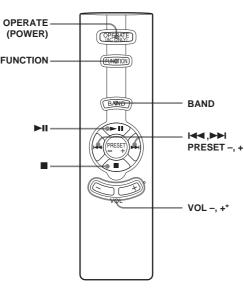
Connect the headphones to the  $\bigcap$  (headphones) jack.

# Adjusting the sound emphasis

### To reinforce the bass sound

Press MEGA BASS.

"MEGA BASS" appears in the display To return to normal sound, press the button again.



### Falling asleep to music

- 1 Play the music source you want.
- 2 Press SLEEP to display "SLEEP."
- 3 Press SLEEP to select the minutes until the player goes off automatically. Each time you press the button, the indication changes as follows: " $60" \rightarrow "90" \rightarrow "120"$  $\rightarrow$  "OFF"  $\rightarrow$  "10"  $\rightarrow$  "20"  $\rightarrow$  "30"

### To cancel the sleep function

Press OPERATE (or POWER) to turn off the power.

When you are playing a tape using this function:

If the tape length of one side is longer than the set time, the player will not go off until the tape reaches

# Playing a CD

1 Press CD (direct power-on).

(On the remote, press OPERATE (or POWER) and then press FUNCTION reapeatedly until "Cd" appears in the display.)

- 2 Load a CD in the CD compartment.
- 3 Press ♣ PUSH OPEN/CLOSE to close the CD compartment.
- 4 Press ►II.

The player plays all the tracks once

The player plays an the tracks once.		
Го	Press	
stop playback	•	
bause playback	▶II	
	Press the button again to resume play after pause.	
go to the next track	<b>▶</b>	
go back to the previous track	H44	
remove the CD	▲ PUSH OPEN/CLOSE	
ocate a specific track directly*	a number button of the track	
ocate a point while listening	▶► (forward) or ► (backward) while playing until you	
to the sound	find the point	
ocate a point while observing	►► (forward) or ◄◄ (backward) in pause until you find	
he display	the point	
You cannot locate a specific track	if "SHUF" or "PGM" is lit in the display. Turn off the indication by	

To locate a track numbered over 10, press >10 first, then the corresponding number buttons. Example: To play track number 23, press >10 first, then 2 and 3.

### Using the display

To check the total track number and playing time Press DISPLAY•ENT•MEMORY in stop mode (see fig. **D**).

### To check the remaining time

Press DISPLAY•ENT•MEMORY repeatedly while playing a CD. The display changes as

→ the current track number and playing time

- the current track number and the remaining time on the current track\*
- the number of tracks left and remaining time on the CD

# Selecting the play mode

Press MODE until "REP 1" "REP ALL" "SHUF" "SHUF REP" "PGM" "PGM REP" appears in the display. Then proceed as follows:

То	Select	Then do this
repeat a single track	"REP 1"	Press the number button for the track you want repeat.
repeat all tracks	"REP ALL"	Press ►II.
shuffle play	"SHUF"	Press ►II.
repeat tracks in random order	"SHUF REP"	Press ►II.
programme play	"PGM"	Press the number buttons for the tracks you war to programme in the order you want up to 20 tracks (see fig. ■). Then press ►II.
repeat programmed tracks	"PGM REP"	Press the number buttons for the tracks you wan to programme in the order you want up to 20 tracks. Then Press ▶Ⅱ.

### To cancel selected play mode

Press MODE until the selected mode disappears from the display.

### To check the programmed track and playing order in the display To check the order of tracks before play, press DISPLAY•ENT•MEMORY

Every time you press the button, the track number appears in the programmed order.

### To change the current programme

Press ■ once if the CD is stopped and twice if the CD is playing. The current programme will be erased. Then create a new programme following the programming procedure.

You can record your own programme. After you've created the programme, insert a blank tape and press 
to start recording.

# Listening to the radio

1 Press RADIO BAND•AUTO PRESET until the band you want appears in the display (direct power-on).

Each time you press the button, the indication changes as follows: CFD-S300: "FM" → "AM"

CFD-S300L: "FM"  $\rightarrow$  "MW"  $\rightarrow$  "LW"

2 Hold down TUNE + or – until the frequency digits begin to change in the

The player automatically scans the radio frequencies and stops when it finds a

If you can't tune in a station, press the button repeatedly to change the frequency step by step.

If the FM broadcast is noisy, press MODE until "Mono" appears in the display and the radio will play in

### Changing the AM/MW tuning interval

The AM/MW tuning interval is preset to 9 kHz at the factory.

If you need to change the AM/MW tuning interval, do the following: 1 While keeping the RADIO BAND•AUTO PRESET button and ■ button pressed,

disconnect the mains lead from the mains While keeping the RADIO BAND•AUTO PRESET button and ■ button pressed, reconnect the mains lead to the mains. The tuning interval is changed and "AM 9"

"MW 9" or "AM 10" "MW 10" appears in the display for 2 seconds. After changing the tuning interval, you need to reset your preset radio stations.

### Presetting radio stations

You can store radio stations into the player's memory. You can preset up to 30 radio stations (CFD-S300), 20 for FM and 10 for AM in any order, or 40 radio stations (CFD-S300L), 20 for FM and 10 for MW and LW in any order.

- 1 Press RADIO BAND•AUTO PRESET to select the band.
- 2 Hold down RADIO BAND•AUTO PRESET for 2 seconds until "AUTO" flashes in the display.
- 3 Press DISPLAY•ENT•MEMORY.

The stations are stored in memory from the lower frequencies to the higher ones.

### If a station cannot be preset automatically

You need to preset a station with a weak signal manually

- 1 Press RADIO BAND•AUTO PRESET to select the band.
- 2 Tune in a station you want.
- 3 Hold down the number buttons that you want to preset the new station on for about 2 seconds. To select the preset number over 10, press >10 first, then the corresponding number buttons. You need to hold down the last number button to enter for about 2 seconds. (Example: To select 12, press >10 and 1 first, then hold down 2 for about 2 seconds.)

The preset radio stations remain in memory even if you unplug the mains lead or remove the batteries.

### Playing preset radio stations

- 1 Press RADIO BAND•AUTO PRESET to select the band.
- 2 Press the number buttons to tune in the stored station.

To tune in a preset station over 10, press >10 first, then corresponding number

(Example: To tune in a preset station 12, press >10 and 1 first, and then press 2.)

### On the remote Press BAND.

2 Press PRESET + or - to tune in the stored station.

# Playing a tape

1 Press TAPE (direct power-on).

(On the remote, press OPERATE (or POWER) and then press FUNCTION repeatedly until "TAPE" appears in the display.)

2 Press **1** to open the tape compartment and insert a recorded tape. Close the compartment. Use TYPE I (normal) tape only.

То	Press
stop playback	
fast-forward or rewind the tape	<b>◄</b> or ▶▶
pause playback	II
	Press the button again to resume play after pause.
eject the cassette	

- 1 Press to open the tape compartment and insert a blank tape. Use TYPE I (normal) tape only
- 2 Select the programme source you want to record.

### To record from the CD player

Press CD and insert a CD (See "Playing a CD").

### To record from the radio

Press RADIO BAND•AUTO PRESET and tune in the station you want (See "Listening to the radio").

3 Press ● to start recording.

(◀ is depressed automatically.)

Го	Press
stop recording	
pause recording	II
	Press the button again to resume recording

. Adjusting the volume or the audio emphasis will not affect the recording level

- If the AM/MW/LW programme makes a whistling sound after you've pressed in step 3, press MODE to select the position of ISS (Interference Suppress Switch) that most decreases the noise.
- For the best results, use the AC power as a power source for recording.
- · To erase a recording, proceed as follows
- 1 Insert a tape with the recording you want to erase
- 2 Press TAPE. 3 Press ●.

### You can record a CD on a MiniDisc and enjoy the sound from other components such as a portable MD, CD player, TV or VCR through the speakers of this player.

(CFD-S300L only)

**Connecting optional components** 

Be sure to turn off the power of each component before making connections. For details, refer to the instructions of the component to be connected.

### Recording a CD on a MiniDisc recorder or DAT recorder

- 1 Connect the OPTICAL DIGITAL OUT (CD) jack of this player with the digital input jack of MiniDisc and DAT using the digital connecting cable\* (not
- st Select a connecting cable depending on the type of the digital input jack of the recorder to be connected. For details, refer to the instruction manual of the component to be connected. The OPTICAL DIGITAL OUT (CD) jack of this player is square-shaped jack.

The type of the jack of the component to be connected	Model number of the connecting cable	
Optical miniplug (MiniDisc recorder, etc.)	POC-15AB	
Square-shaped optical connector (MiniDisc recorder, DAT recorder, etc.)	POC-15A	

- 2 Turn on the power of this player and the connected component.
- 3 Make the connected component for recording.
- 4 Press ► to start playing a CD.

on the other end.

### Listening to the sound from the connected components

- 1 Connect the LINE IN jack of this player with the line output jack or headphones jack of the other component using the audio connecting cable\* (not supplied). \* For MiniDisc recorder: a cable with a stereo-mini plug on both ends.
- \* For TV, VCR: a cable with a stereo-mini plug on one end and two phono plugs
- 2 Press LINE to display "LInE". 3 Play the optional component connected to the LINE IN jack of the player.

and press 

.

and LINE IN jacks to keep out dust.

· Connect the cords firmly to avoid any malfunction. • When other components are not connected, close the cover for the OPTICAL DIGITAL OUT (CD)

You can record the sound from the connected component. Insert a blank tape into the tape compartment.

<sup>\*</sup> For a track whose number is more than 20, the remaining time appears as "- -: - -" in the display.